



ATTORNEY DOCKET NO. 03269.0109U1  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
	)	
Dennis J. Jones, Jr.	)	Art Unit: 1751
	)	
Application No. 10/627,945	)	Examiner: Hamlin, D.
	)	
Filing Date: July 24, 2003	)	Confirmation No. 3664
	)	
For: METHODS OF TREATING AND	)	
CLEANING FIBERS, CARPET YARNS	)	
AND CARPETS	)	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicant and/or his attorneys. In accordance with 37 C.F.R. § 1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicant.

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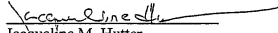
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Application No. 10/627,945

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

  
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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

  
Jacqueline M. Hutter

Date 11/10/04



ATTORNEY DOCKET NO. 03269.0109U1  
APPLICATION NO. 10/627,945  
SHEET 1 OF 2

# INFORMATION DISCLOSURE STATEMENT LIST

Application Number	10/627,945
Filing Date	July 24, 2003
First Named Inventor	Jones Jr.
Group Art Unit	1751
Examiner Name	Hamlin, D.

## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	6,811,574	11/2/04	Baumann et al.	8	444	
	A2	6,613,862 ✓	09/02/03	Clark et al.	528	49	
	A3	6,524,492 ✓	02/25/03	Williams et al.	252	8.62	
	A4	6,197,378 ✓	03/06/01	Clark et al.	427	315	
	A5	6,098,392 ✓	08/08/00	Tung	57	14	
	A6	6,024,770 ✓	02/15/00	De Lathauwer	8	595	
	A7	6,023,823 ✓	02/15/00	Yeh et al.	28	101	
	A8	5,851,595 ✓	12/22/98	Jones, Jr.	427	393.4	
	A9	5,738,688 ✓	04/14/98	De Lathauwer	8	115.56	
	A10	5,681,604 ✓	10/28/97	Li et al.	426	540	
	A11	5,639,500 ✓	6/13/97	Fusi et al.	426	540	
	A12	5,571,551 ✓	11/05/96	Fusi et al.	426	540	
	A13	5,520,962 ✓	5/28/96	Jones Jr.	427	393.4	
	A14	5,417,724 ✓	05/23/95	Pacifici et al.	8	554	
	A15	5,230,708 ✓	07/27/93	Hangey et al.	8	115.6	
	A16	4,937,123 ✓	06/26/90	Chang et al.	428	96	
	A17	4,822,373 ✓	04/18/89	Olsen et al.	8	115.6	
	A18	4,781,844 ✓	11/01/88	Kortmann et al.	252	8.6	
	A19	4,351,736 ✓	09/28/82	Steinberger et al.	252	8.6	
	A20	3,999,940 ✓	12/28/76	Freeman	8	595	
	A21	3,961,881 ✓	06/08/76	Sumner et al.	8	17	
	A22	3,869,611 ✓	06/13/73	Shimauchi et al.	8	595	
	A23	2,480,775 ✓	08/30/49	Ryan	8	55	
	A24	2004/0060121 ✓	04/01/04	Williams et al.	8	115.51	
	A25	2003/0203153 ✓	10/30/03	Jones Jr.	428	95	
	A26	2003/0157256 ✓	04/21/03	Yamaguchi et al.	427	378	
	A27	2003/0051294 ✓	03/20/03	Yamaguchi et al.	8	115.51	
	A28	2002/0189023 ✓	12/19/02	Yamaguchi et al.	8	115.51	
	A29	2002/0151644 ✓	10/17/02	Williams et al.	524	801	
	A30	2002/0005250 ✓	01/17/02	Jerde et al.	156	311	

## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	A31	EP 0 261 637	03/30/88	Gamblin	
	A32	JP 58 154 772	09/14/83	Daiwa Marcant Kogyo	Abstract Only
	A33	JP 61 174 485	08/06/86	Kanebo	No
	A34	GB 1 254 541	11/24/71	Fung	
	A35	JP 62 238 887	03/04/86		No

Examiner Signature: /Necholus Ogden Jr/ Date Considered: 01/12/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	Complete if Known
Application Number	10/627,945
Filing Date	July 24, 2003
First Named Inventor	Jones Jr.
Group Art Unit	1751
Examiner Name	Hamlin, D.

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A36	Baxley and Miller, "Effects of suessen heat setting variables on streaks in finished nylon carpet" Textile Res. J. 61(12):697-704 (1991)
	A37	Cook et al. "The effect of some aromatic hydroxyl compounds on the absorption of anionic dye by nylon 6," Textile Res. J. 47(244):244-249 (1977)
	A38	DuPont Filaments, Conditioning Nylon Filaments, Technical Information
	A39	Gupta et al. "Dye-uptake behaviour of nylon-6 filaments and its structural dependence" JSDC 116:385-390 (2000)
	A40	Harris and Hangey, "Stain Resist chemistry for nylon-6 carpet" SAC Synthesis 21(11):25-30 (1989)
	A41	<a href="http://aml.arizona.edu/classes/mse222/1998/nylon66/mse22.htm">http://aml.arizona.edu/classes/mse222/1998/nylon66/mse22.htm</a>
	A42	<a href="http://www.apparelsearch.com/education_research_nonwoven_nylon_fiber.htm">http://www.apparelsearch.com/education_research_nonwoven_nylon_fiber.htm</a>
	A43	Ogasawara et al, "Studies on the mechanism of dye fixation. Part 10. Effect of after treatment with tannic acid on the fixation of disperse, acid, direct and basic dyes." Textiles 7:73 (1982)
	A44	Rodger and Lee, "Structural Properties of Nylon 66 Carpet yarns observed with near infrared analysis" Textile Res. J. 61(9):531-536 (1991)
	A45	Rollins et al. "Thermal mechanical analysis (TMA) and yarn shrinkage as methods to determine heat set temperature in nylon" American Dyestuff Reporter 36-41(1998)
	A46	Sichina, "Detection of Heat set temperatures of nylon 66 carpet yarns by DSC" Perkin Elmer instruments; www.Perkingelmer.com (2000)
	A47	Tincher et al. "Characterization of heat set nylon carpet yarn" Applications of NIRS 18(2):25-30 (1996)
	A48	Trotman, "Dyeing and Chemical technology of textiles fibers" 6 <sup>th</sup> edition:474-478,480 (1984)

Examiner Signature: /Necholus Ogden Jr/ Date Considered: 01/12/2009

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NO/